

STATINTL

Approved For Release 2000/05/10 : CIA-RDP78B04747A000100120024-2

Approved For Release 2000/05/10 : CIA-RDP78B04747A000100120024-2

- D-19  
HTA-5  
13 Nov.

HS

13 November

Emul.: 8402  
printed @ .655 amp  
with 2.00 N.D.

Head:

MACHINE SPEED = 20 FPM  
TEMPERATURE = 85°F  
GAMMA = 2.40  
BASE DEN. = .14

Base = .14

f = 2.40

Step #	D-19 8402	Strip #2	Strip #3	Strip #4	Strip #5
1	Strip #1 3.60				
2	3.38				
3	3.16				
4	2.89				
5	2.47				
6	2.08				
7	1.72				
8	1.41				
9	1.07				
10	72				
11	.55				
12	.36				
13	.27				
14	.18				
15	.16				
16	.14				
17	.14				
18					
19					
20					
21					

- 474-5  
D-19  
6 Nov 63

6 Nov 63

Film used: SO 8401

Exposure: M-101 sensitometer

1/5 sec.

2.00 N.D.

.80 amp.

Development: 10 FPM.

D-19<sup>OF</sup> Dev.

on 1.75 Base + 10

(printing amp. should be raised)

D-19  
HTH-5  
6 Nov.

16 Nov. 63.

Film used: Kodak Super XX (SO 5425)

Exposure: M-101 Spectrometer

1/5 Sec.

2.00 W.D.

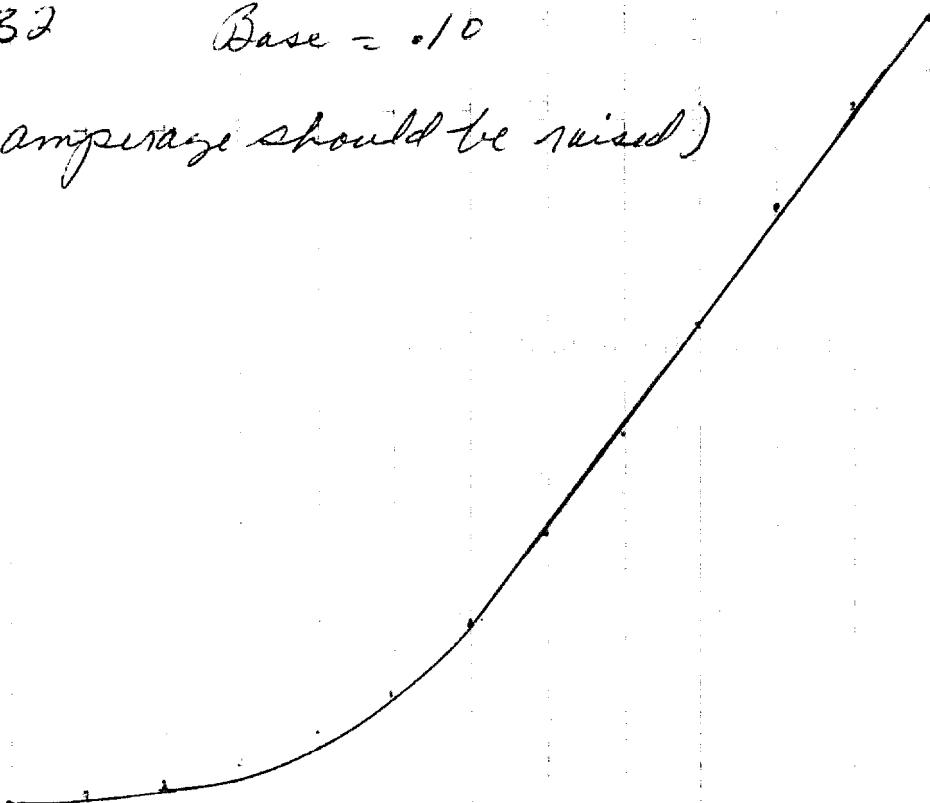
.80 amp.

Development: 10 F.P.M.

D-19 <sup>°F</sup> Dev.

t = 1.32      Base = .10

(printing amperage should be raised)



Super XX  
505427  
Strip # 3144

So 8401  
strip #2194

So. 278  
Strip #2

Strip #1

Strip #5

1.49

1.64 FOOGED

1.28

1.38

1.06

.08

.84

.84

.64

.60

.46

.42

.32

.30

.24

20

.18

15

.15

.12

·12

卷之三

Base : 10      Base : 10

SO -278

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M101

HTA-S

0830

-2

2 NOV 63

STATOTHR

[REDACTED]

2 NOV 63

SO 278

.10 ND

.85 AX P

P-19 DEU

5 FPM

68° F

$\gamma = 1.80$

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SO - 8402

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M101

HTH-5

0230

.2

2 NOV 63

STATOTHR

Report No. [REDACTED]

2 NOV 63

,85 AMP  
.10 NW

D-19 DEU

6 FPM

68° DEU TEMP

J 2.52

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50-278

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JTA-5

0130

12

2 NOV 63

STATOTHR

[REDACTED]

2 NOV 63

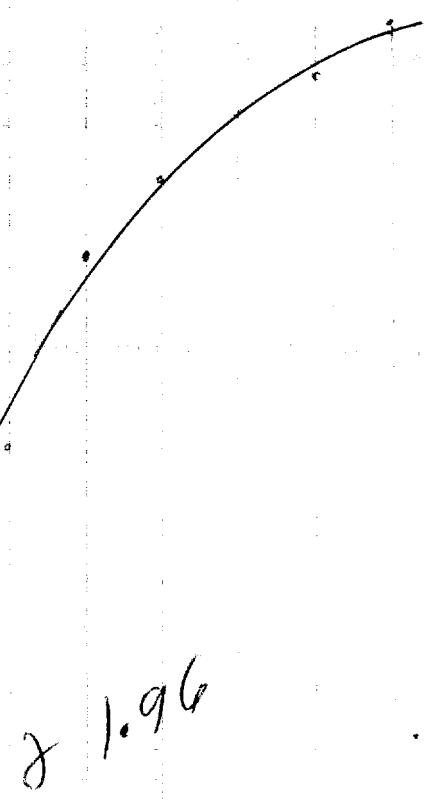
.85 AMP

,10 NP

D-19 DEU

~~5~~ FPM

~~68~~ ° DEU TEMP



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SO - 8402

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M161

HTA/5

0130

2

2 NOV 63

STATOTHR

[REDACTED]

2 NOV 63

.85 AMP D-19 DEV

.10 ND ~~5~~ FPM

~~68°~~ DEV. TEMP.

~~FPM~~  
~~FPM~~  
8 = 2.8°

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STATOTHR

D-19 DEVELOPER 2400 hr 2 Nov To 1200h 3 Nov

QC

		P402 = 0230	278 = 0230	Strip # 5
8402 = 0130 Strip # 28.47	278 - 0130 Strip # 28.66	STRIP # 23.30	STRIP # 22.70	
3.46	2.56	3.20	2.60	.
3.43	2.46	3.00	2.40	.
3.23	2.35	2.70	2.36	.
3.03	2.20	2.10	2.20	.
2.51	1.82	1.96	2.02	.
2.05	1.57	1.60	1.80	.
1.65	1.30	1.12	1.60	.
1.30	.91	.86	1.20	.
.98	.78	.60	.98	.
.68	.63	.42	.70	.
.34	.47	.30	.52	.
.33	.23	.22	.30	.
.20	.16	.19	.20	.
.18	.11	.18	.12	.
.18	.10	.17	.10	.
.12	.09	.15	.10	.
.11	.08	.15	.10	.
.10	.08	.14	.10	.
.10	.08	.14	.10	.
.10	.08	.13	.10	.

*BEST COPY*

*AVAILABLE*







30-8402

1 NOV

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HTA/5  
D-19 D.W.  
20 F.P.M.  
85° F. D.W. Temp.

M-101  
.85 amp.  
with .01 ohm. d.

300 ft of leader in between  
each H & D.  
Base = .15 (all are identical)  
Base = .19

20 F.P.M.

+ 2.00

HPS

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- LOG E

S.O. 278

M-101

.85 Amp.  
.107. D.

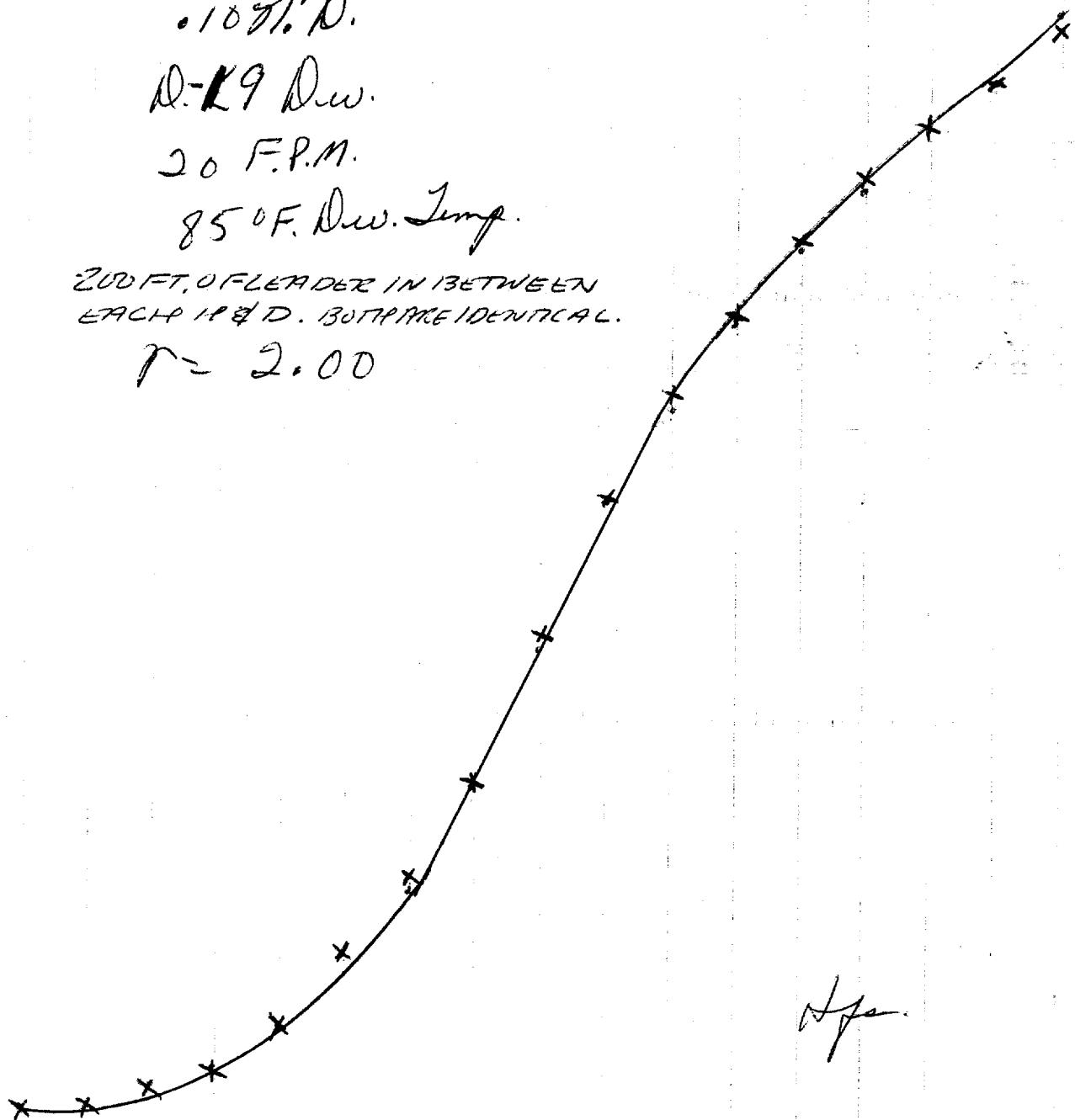
D-K9 D.W.

20 F.P.M.

85° F. D.W. Temp.

200 FT. OF LEADER IN BETWEEN  
EACH 10 & D. BOTH ARE IDENTICAL.

R = 2.00



H.P.

D-19 DEVELOPER 1200 hrs To 2400 / Nov

STATZER QC

	Strip #1 2.65	8402 = 2400	Strip #3	Strip #4	Strip #5
1					
2	2.52	3.26	.	.	.
3	2.40	3.12	.	.	.
4	2.25	2.88	.	.	.
5	2.12	2.43	.	.	.
6	1.97	2.02	.	.	.
7	1.75	1.64	.	.	.
8	1.53	1.30	.	.	.
9	1.18	.90	.	.	.
10	.86	.65	.	.	.
11	.60	.44	.	.	.
12	.45	.32	.	.	.
13	.25	.24	.	.	.
14	.18	.20	.	.	.
15	.12	.16	.	.	.
16	.09	.15	.	.	.
17	.09	.14	.	.	.
18	.09	.14	.	.	.
19	.09	.14	.	.	.
20	.09	.14	.	.	.
21	.09	.14	.	.	.

Oct 30

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HTA/5

M-101

.85amp

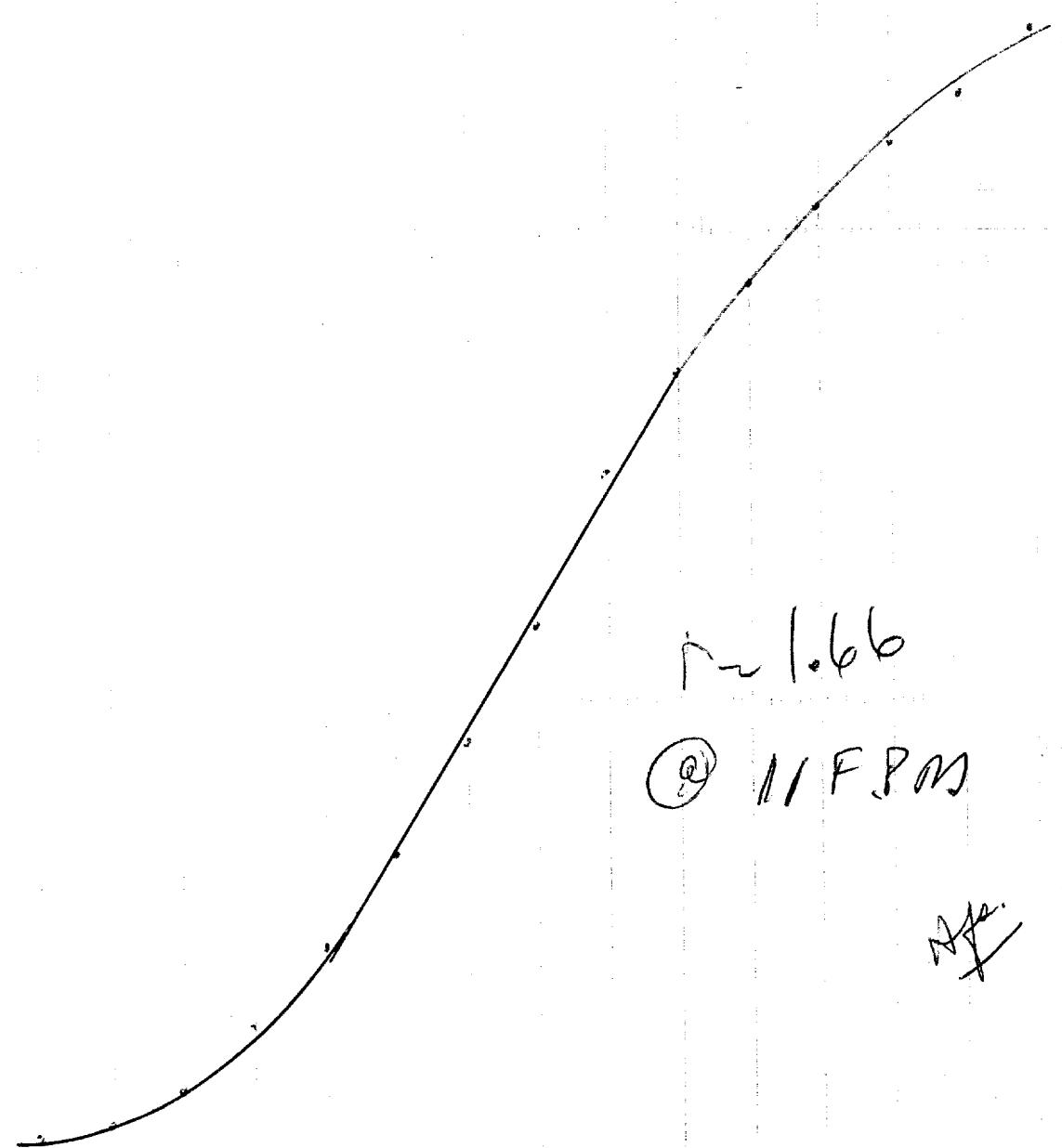
1/5 sec.

10 N.D.

SO 278

75°F Dew Temp.

AK-50



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30 Oct



SO 0471

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HTA/3

11-101

.85 amp

1/5 sec

— 010 N.D.

75° Dew Temp.  
S.O. 278

A.K. 50

21 F.P.M.

t = 158  
@ 21 F.P.M.

Hf

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30 Oct.

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177A/5

M-101

.85 Amp.

15 sec

— .107 D.

75° Dev. Temp.

S.O. 219

D.K.-50

17 F.P.M.

$t_2 = 1.5^{\circ}$   
② 17 F.P.M.

Hf

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17 FPM

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			Average	
1	Strip #1238	Strip #2237	Strip #3238	Strip #4238
2	2.22	2.22	2.24	2.23
3	2.16	2.19	2.16	2.18
4	1.98	1.98	2.00	1.99
5	1.81	1.80	1.82	1.81
6	1.58	1.57	1.62	1.59
7	1.38	1.39	1.40	1.39
8	1.10	1.11	1.12	1.11
9	.85	.85	.86	.85
10	.63	.62	.64	.63
11	.40	.45	.46	.44
12	.30	.30	.31	.30
13	.18	.16	.19	.18
14	.12	.13	.13	.13
15	.08	.09	.08	.09
16	.06	.06	.06	.06
17	.05	.05	.05	.05
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30 Oct

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M-101

85 Amp.

1/5 sec

- 1077.0.

75° Dew. Temp.

S.O. 278

A.K-50

13 FPM

$t_2 = 1.55$

(@) 13 F.P.M.

H.P.

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	Strip #1 235	Strip #2 238	Strip #3 240	Strip #4 238	Average	Strip #5
1						
2	2.24	2.26	2.28	2.26		
3	2.14	2.14	2.18	2.16		
4	2.00	2.00	2.02	2.01		
5	1.85	1.85	1.88	1.86		
6	1.68	1.66	1.65	1.66		
7	1.48	1.46	1.48	1.48		
8	1.18	1.19	1.15	1.18		
9	.90	.92	.95	.92		
10	.70	.69	.68	.69		
11	.50	.50	.50	.50		
12	.34	.34	.35	.34		
13	.24	.22	.23	.23		
14	.14	.13	.14	.14		
15	.10	.10	.10	.10		
16	.08	.09	.08	.08		
17	.06	.05	.06	.06		
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30 Oct

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HTA/5

m-101

.25 amp.

.45 sec

.1071 N.

75° Dew. Temp.

S. O. 278

D. K. 50

9 F.P.M.

t = 1.78

@ 9 F.P.M.



DO NOT

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HTA/5

m-101

.85 Amp.  
 $\frac{1}{5}$  sec.

— 1071.0.

95° D.W. Temp  
S.Q. 278

A.K.-50  
5 F.P.M.

$t = 1.80 @$

5 F.P.M.

H.P.

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	Strip # 244	Strip # 247	Strip # 245	Average	Strip # 5
2	2.33	2.35	2.36	2.35	.
3	2.20	2.22	2.28	2.25	.
4	2.14	2.14	2.14	2.15	.
5	1.96	2.02	2.02	1.98	.
6	1.85	1.86	1.88	1.87	.
7	1.66	1.66	1.68	1.67	.
8	<del>1.46</del>	<del>1.48</del>	.	.	.
9	1.46	1.48	1.44	1.46	.
10	1.19	1.18	1.16	1.18	.
11	.89	.87	.85	.87	.
12	.62	.64	.62	.63	.
13	.46	.46	.46	.46	.
14	.30	.28	.29	.29	.
15	.21	.22	.21	.21	.
16	.13	.14	.13	.13	.
17	.10	.10	.11	.10	.
18	.07	.08	.08	.08	.
19	.06	.07	.07	.07	.
20	.	.	.	.	.
21	.	.	.	.	.

29 Oct.

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HTA/S

NI-10P

85 Amp

1/2 sec

- 40 N.P.

5424

DK-50

75° DEV. TEMP

T = 2.10  
⑧ 15 FPM

Hfz.

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15 FPM

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5427

DK-50

	Strip #1 3.82	Strip #2 3.84	Strip #3 3.82	Strip #4 3.83	Strip #5
1	3.12	3.64	3.58	3.62	.
2	3.42	3.46	3.40	3.42	.
3	3.32	3.24	3.18	3.22	.
4	3.06	3.02	2.98	3.02	.
5	2.60	2.66	2.61	2.63	.
6	2.28	2.31	2.28	2.29	.
7	2.00	2.01	1.99	2.00	.
8	1.70	1.71	1.68	1.70	.
9	1.40	1.41	1.38	1.40	.
10	1.06	1.10	1.06	1.08	.
11	.78	.83	.82	.79	.
12	.60	.63	.62	.62	.
13	.42	.40	.43	.43	.
14	.32	.32	.31	.32	.
15	.22	.22	.21	.22	.
16	.14	.14	.14	.16	.
17	.10	.10	.10	.10	.
18	.08	.08	.08	.08	.
19	.06	.06	.06	.06	.
20	.06	.06	.06	.06	.

29 Oct.

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HT/15

M-101

.85 amp.  
1/5 Sec  
.40 N.D.

54 27 Emulsion  
D.K.-50 Dev.  
75° Dev. Temp.

$r = 1.90$   
⑧ 17 F.P.M.

HFS

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75° D.T.

5427

OK-50

Strip #5

#	Strip #1	Strip #2	Strip #3	Strip #4	Strip #5
1	3.72	3.64	3.64	3.65	
2	3.52	3.42	3.50	3.49	
3	3.34	3.22	3.32	3.29	
4	3.12	3.04	3.10	3.08	
5	2.85	2.72	2.84	2.78	
6	2.52	2.42	2.48	2.46	
7	2.22	2.16	2.18	2.18	
8	1.92	1.88	1.88	1.89	
9	1.66	1.62	1.62	1.63	
10	1.38	1.32	1.30	1.33	
11	1.14	1.12	.10	1.12	
12	.78	.78	.77	.78	
13	.60	.58	.57	.58	
14	.44	.44	.43	.44	
15	.32	.32	.30	.32	
16	.22	.21	.21	.22	
17	.17	.18	.18	.18	
18	.11	.10	.10	.10	
19	.08	.09	.08	.08	
base	.06	.06	.06	.06	

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47743

11-101

185 Onf.  
1/5 See  
4077.D.

5427

DK-50

75° Dev. TEMP.

+ - 1.92

@ 19 F.P.M.

142.

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19 FPMI DK-50

75° D.T.

	Strip #1 3.56	Strip #2 3.62	Strip #3 3.55	Strip #4 3.58	Strip #5
1					
2	3.41	3.45	3.40	3.43	.
3	3.20	3.22	3.15	3.19	.
4	3.02	3.02	2.92	2.96	.
5	2.72	2.64	2.62	2.66	.
6	2.40	2.42	2.41	2.42	.
7	2.30	2.28	2.32	2.28	.
8	1.82	1.85	1.80	1.83	.
9	1.56	1.58	1.56	1.57	.
10	1.28	1.26	1.24	1.26	.
11	.98	.98	.97	.98	.
12	.74	.74	.73	.74	.
13	.56	.57	.56	.56	.
14	.42	.42	.42	.42	.
15	.30	.31	.30	.30	.
16	.18	.19	.20	.19	.
17	.14	.15	.13	.14	.
18	.10	.11	.10	.10	.
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